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FLIGHT TO FOREVER

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FLIGHT TO FOREVER

By POUL ANDERSON

THAT morning it rained, a fine, summery mist blowing over the hills and hiding the gleam of the river and the village beyond. Martin Saunders stood in the doorway letting the cool, wet air blow in his face and wondered what the weather would be like a hundred years from now.

Eve Lang came up behind him and laid a hand on his arm. He smiled down at her, thinking how lovely she was with the raindrops caught in her dark hair like small pearls. She didn't say anything; there was no need for it, and he felt grateful for silence.

He was the first to speak. "Not long now, Eve." And then, realising the banality of it, he smiled. "Only why do we have this airport feeling? It's not as if I'll be gone long."

"A hundred years," she said.

"Take it easy, darling. The theory is foolproof. I've been on time jaunts before, remember? Twenty years ahead and twenty back. The projector works, it's been proven in practice. This is just a little longer trip, that's all."

"But the automatic machines, that went a hundred years ahead, never came back—"

"Exactly. Some damn fool thing or other went wrong with them. Tubes blew their silly heads off, or some such thing. That's why Sam and I have to go, to see what went wrong. We can repair our machine. We can compensate for the well-known perversity of vacuum tubes."

"But why the two of you? One would be enough. Sam—"

"Sam is no physicist. He might not be able to find the trouble. On the other hand, as a skilled mechanic he can do things I never could. We supplement each other." Saunders took a deep breath. "Look, darling—"

Sam Hull's bass shout rang out to them. "All set, folks! Any time you want to go, we can ride!"

"Coming." Saunders took his time, bidding Eve a proper farewell, a little in advance. She followed him into the house and down to the capacious underground workshop.

The projector stood in a clutter of apparatus under the white radiance of fluoro-tubes. It was unimpressive from the outside, a metal cylinder some ten feet high and thirty feet long with the unfinished look of all experimental setups. The outer shell was simply protection for the battery banks and the massive dimensional projector within. A tiny space in the forward end was left for the two men.

Sam Hull gave them a gay wave. His massive form almost blotted out the grey-smocked little body of MacPherson. "All set for a hundred years ahead," he exclaimed. "Two thousand seventy-three, here we come!"

MacPherson blinked owlishly at them from behind thick lenses. "It all tests out," he said. "Or so Sam here tells me. Personally, I wouldn't know an oscillograph from a klystron. You have an ample supply of spare

parts and tools. There should be no difficulty."

"I'm not looking for any, Doc," said Saunders. "Eve here won't believe we aren't going to be eaten by monsters with stalked eyes and long fangs. I keep telling her all we're going to do is check your automatic machines, if we can find them, and make a few astronomical observations, and come back."

"There'll be people in the future," said Eve.

"Oh, well, if they invite us in for a drink we won't say no," shrugged Hull. "Which reminds me—" He fished a pint out of his capacious coverall pocket. "We ought to drink a toast or something, huh?"

Saunders frowned a little. He didn't want to add to Eve's impression of a voyage into darkness. She was worried enough, poor kid, poor, lovely kid. "Hell," he said, "we've been back to nineteen fifty-three and seen the house standing. We've been ahead to nineteen ninety-three and seen the house standing. Nobody home at either time. These jaunts are too dull to rate a toast."

"Nothing," said Hull, "is too dull to rate a drink." He poured and they touched glasses, a strange little ceremony in the utterly prosaic laboratory. "Bon voyage!"

"Bon voyage." Eve tried to smile, but the hand that lifted the glass to her lips trembled a little.

"Come on," said Hull. "Let's go, Mart. Sooner we set out, the sooner we can get back."

"Sure." With a gesture of decision, Saunders put down his glass and swung toward the machine. "Good-by, Eve, I'll see you in a couple of hours—after a hundred years or so."

"So long—Martin." She made the name a caress.

MacPherson beamed with avuncular approval.

Saunders squeezed himself into the forward-compartment with Hull. He

was a big man, long-limbed and wide-shouldered, with blunt, homely features under a shock of brown hair and wide-set gray eyes lined with crow's feet from much squinting into the sun. He wore only the plain blouse and slacks of his work, stained here and there with grease or acid.

The compartment was barely large enough for the two of them, and crowded with instruments—as well as the rifle and pistol they had along entirely to quiet Eve's fears. Saunders swore as the guns got in his way, and closed the door. The clang had in it an odd note of finality.

"Here goes," said Hull unnecessarily.

Saunders nodded and started the projector warming-up. Its powerful thrum filled the cabin and vibrated in his bones. Needles flickered across gauge faces, approaching stable values.

Through the single porthole he saw Eve waving. He waved back and then, with an angry motion, flung down the main switch.

The machine shimmered, blurred, and was gone. Eve drew a shuddering breath and turned back to MacPherson.

Grayness swirled briefly before them, and the drone of the projectors filled the machine with an enormous song. Saunders watched the gauges, and inched back the switch which controlled their rate of time advancement. A hundred years ahead—less the number of days since they'd sent the first automatic, just so that no dunderhead in the future would find it and walk off with it . . .

He slapped down the switch and the noise and vibration came to a ringing halt.

Sunlight streamed in through the porthole. "No house?" asked Hull.

"A century is a long time," said Saunders. "Come on, let's go out and have a look."

They crawled through the door and stood erect. The machine lay in the bottom of a half-filled pit above which

grasses waved. A few broken shards of stone projected from the earth. There was a bright blue sky overhead, with fluffy white clouds blowing across it.

"No automatics," said Hull, looking around.

"That's odd. But maybe the ground-level adjustments—let's go topside." Saunders scrambled up the sloping walls of the pit.

It was obviously the half-filled basement of the old house, which must somehow have been destroyed in the eighty years since his last visit. The ground-level machine in the projector automatically materialised it on the exact surface whenever it emerged. There would be no sudden falls or sudden burials under risen earth. Nor would there be disastrous materialisations inside something solid; mass-sensitive circuits prevented the machine from halting whenever solid matter occupied its own space. Liquid or gas molecules could get out of the way fast enough.

Saunders stood in tall, wind-rippled grass and looked over the serene landscape of upper New York State. Nothing had changed, the river and the forested hills beyond it were the same, the sun was bright and clouds shone in the heavens.

No—no, before God! Where was the village?

House gone, town gone—what had happened? Had people simply moved away, or . . .

He looked back down to the basement. Only a few minutes ago—a hundred years in the past—he had stood there in a tangle of battered apparatus, and Doc and Eve—and now it was a pit with wild grass covering the raw earth. An odd desolation tugged at him.

Was he still alive to-day? Was—Eve? The gerontology of 1973 made it entirely possible, but one never knew. And he didn't want to find out.

"Must'a give the country back to the Indians," grunted Sam Hull.

The prosaic wisecrack restored a sense of balance. After all, any sensible man knew that things changed with time. There would be good and evil in the future as there had been in the past. "—And they lived happily ever after" was pure myth. The important thing was change, an unending flux out of which all could come. And right now there was a job to do.

They scouted around in the grass, but there was no trace of the small automatic projectors. Hull scowled thoughtfully. "You know," he said, "I think they started back and blew out on the way."

"You must be right," nodded Saunders. "We can't have arrived more than a few minutes after their return-point." He started back toward the big machine. "Let's take our observation and get out."

They set up their astronomical equipment and took readings on the declining sun. Waiting for night, they cooked a meal on a camp stove and sat while a cricket-chirring dusk deepened around them.

"I like this future," said Hull. "It's peaceful. Think I'll retire here—or now—in my old age."

The thought of transporemental resorts made Saunders grin. But—who knew? Maybe!

The stars wheeled grandly overhead. Saunders jotted down figures on right ascension, declination and passage times. From that, they could calculate later, almost to the minute, how far the machine had taken them. They had not moved in space at all, of course, relative to the surface of the earth. "Absolute space" was an obsolete fiction, and as far as the projector was concerned Earth was the immobile centre of the universe.

They waded through dew-wet grass back down to the machine. "Well, try ten-year stops, looking for the automatics," said Saunders. "If we don't

find 'em that way, to hell with them. I'm hungry."

2063—it was raining into the pit.

2053—sunlight and emptiness.

2043—the pit was fresher now, and a few rotting timbers lay half buried in the ground.

Saunders scowled at the meters. "She's drawing more power than she should," he said.

2023—the house had obviously burned, charred stumps of wood were in sight. And the projector had roared with a skull-cracking insanity of power; energy drained from the batteries like water from a squeezed sponge; a resistor was beginning to glow.

They checked the circuits, inch by inch, wire by wire. Nothing was out of order.

"Let's go." Hull's face was white.

It was a battle to leap the next ten years, it took half an hour of bawling, thundering, tortured labour for the projector to fight backward. Radiated energy made the cabin unendurably hot.

2013—the fibre-blackened basement still stood. On its floor lay two small cylinders, tarnished with some years of weathering.

"The automatics got a little farther back," said Hull. "Then they quit, and just lay here."

Saunders examined them. When he looked up from his instruments, his face was grim with the choking fear that was rising within him. "Drained," he said. "Batteries completely dead. They used up all their energy reserves."

"What in the devil is this?" It was almost a snarl from Hull.

"I—don't—know. There seems to be some kind of resistance which increases the further back we try to go—"

"Come on!"

"But—"

"Come on, damn it!"

Saunders shrugged hopelessly.

It took two hours to fight back five years. Then Saunders stopped the projector. His voice shook.

"No go, Sam. We've used up three-quarters of our stored energy—and the farther back we go, the more we use per year. It seems to be some sort of high-order exponential function."

"So—"

"So we'd never make it. At this rate, our batteries will be dead before we get back another 10 years." Saunders looked ill. "It's some effect the theory didn't allow for, some accelerating increase in power requirements the farther back into the past we go. For 20-year hops or less, the energy increases roughly as the square of the number of years traversed. But it must actually be something like an exponential curve, which starts building up fast and furiously beyond a certain point. We haven't enough power left in the batteries!"

"If we could recharge them—"

"We don't have such equipment with us. But maybe—"

They climbed out of the ruined basement and looked eagerly towards the river. There was no sign of the village. It must have been torn down or otherwise destroyed mill further back in the past at a point they'd been through.

"No help there," said Saunders.

"We can look for a place. There must be people somewhere!"

"No doubt." Saunders fought for calm. "But we could spend a long time looking for them, you know. And—" his voice wavered. "Sam, I'm not sure even recharging at intervals would help. It looks very much to me as if the curve of energy consumption is approaching a vertical asymptote."

"Talk English, will you?" Hull's grin was forced.

"I mean that beyond a certain number of years an infinite amount of

energy may be required. Like the Einsteinian concept of light as the limiting velocity. As you approach the speed of light, the energy needed to accelerate increases ever more rapidly. You'd need infinite energy to get beyond the speed of light—which is just a fancy way of saying you can't do it. The same thing may apply to time as well as space."

"You mean—we can't ever get back?"

"I don't know." Saunders looked desolately around at the smiling landscape. "I could be wrong. But I'm horribly afraid I'm right."

Hull swore. "What're we going to do about it?"

"We've got two choices," Saunders said. "One, we can hunt for people, recharging our batteries, and keep trying. Two, we can go into the future."

"The future!"

"Uh-huh. Sometime in the future, they ought to know more about such things than we do. They may know a way to get around this effect. Certainly they could give us a powerful enough engine so that, if energy is all that's needed, we can get back. A small atomic generator, for instance." Hull stood with bent head, turning the thought over in his mind. There was a meadowlark singing somewhere, maddeningly sweet.

Saunders forced a harsh laugh. "But the very first thing on the agenda," he said, "is breakfast!"

The food was tasteless. They ate in a heavy silence, choking the stuff down. But in the end they looked at each other with a common resolution.

Hull grinned and stuck out a hairy paw. "It's a hell of a roundabout way to get home," he said, "but I'm for it."

Saunders clasped hands with him, wordlessly. They went back to the machine.

"And now where?" asked the mechanic.

"It's two thousand eight," said Saunders. "How about—well—two thousand five-hundred A.D.?"

"Okay. It's a nice round number. Anchors aweigh!"

The machine thrummed and shook. Saunders was gratified to notice the small power consumption as the years and decades fled by. At that rate, they had energy enough to travel to the end of the world.

Eve, Eve, I'll come back. I'll come back if I have to go ahead to Judgment Day . . .

2500 A.D. The machine blinked into materialisation on top of a low hill—the pit had filled in during the intervening centuries. Pale, hurried sunlight flashed through wind-driven rain clouds into the hot interior.

"Come," said Hull. "We haven't got all day."

He picked up the automatic rifle. "What's the idea?" exclaimed Saunders.

"Eve was right the first time," said Hull grimly. "Buckle on that pistol, Mart."

Saunders strapped the heavy weapon to his thigh. The metal was cold under his fingers.

They stepped out and swept the horizon. Hull's voice rose in a shout of glee. "People!"

There was a small town beyond the river, near the site of old Hudson. Beyond it lay fields of ripening grain and clumps of trees. There was no sign of a highway. Maybe surface transportation was obsolete now.

The town looked—odd. It must have been there a long time, the houses were weathered. They were tall peak-roofed buildings, crowding narrow streets. A flashing metal tower reared some five hundred feet into the lowering sky, near the centre of town.

Somehow, it didn't look the way Saunders had visualised communities of the future. It had an oddly stunted appearance, despite the high build-

dings and sinister? He couldn't say. Maybe it was only his depression.

Something rose from the centre of the town, a black ovoid that whipped into the sky and lined out across the river. Reception committee, thought Saunders. His hand fell on his pistol butt.

It was an airjet, he saw as it neared, an egg-shaped machine with stubby wings and a flaring tail. It was flying slowly now, gliding groundward toward them.

"Hallo, there!" bawled Hull. He stood erect with the savage wind tossing his flame-red hair, waving. "Hallo, people!"

The machine dove at them. Something stabbed from its nose, a line of smoke—tracers!

Conditioned reflex flung Saunders over the ground. The bullets whined over his head, exploding with a vicious crash behind him. He saw Hull blown apart.

The jet rushed overhead and banked for another assault. Saunders got up and ran, crouching low, weaving back and forth. The line of bullets spanned past him again, throwing up gouts of dirt where they hit. He threw himself down again.

Another try . . . Saunders was knocked off his feet by the bursting of a shell. He rolled over and hugged the ground, hoping the grass would hide him. Dimly, he thought that the jet was too fast for strafing a single man; it overshot its mark.

He heard it whine overhead, without daring to look up. It circled vulture-like, seeking him. He had time for a rising tide of bitter hate.

Sam—they'd killed him, shot him without provocation—Sam, red-haired Sam with his laughter and his comradeship, Sam was dead and they had killed him.

He risked turning over. The jet was settling to earth; they'd hunt him from the ground. He got up and ran again.

A shot wailed past his ear. He spun around, the pistol in his hand, and snapped a return shot. There were men in black uniforms coming out of the jet. It was long range, but his gun was a heavy war model; it carried. He fired again and felt a savage jolt at seeing one of the black-clad figures spin on its heel and lurch to the ground.

The time machine lay before him. No time for heroics; he had to get away—fast! Bullets were singing around him.

He burst through the door and slammed it shut. A ship whanged through the metal wall. Thank God the tubes were still warm!

He threw the main switch. As vision wavered, he saw the pursuers almost on him. One of them was aiming something like a bazooka.

They faded into greyness. He lay back, shuddering. Slowly, he grew aware that his clothes were torn and that a metal fragment had scratched a hand.

And Sam was dead. Sam was dead. He watched the dial creep upward. Let it be 3000 A.D. Five hundred years was not too much to put between himself and the men in black.

He chose night time. A cautious look outside revealed that he was among tall buildings with little if any light. Good!

He spent a few moments bandaging his injury and changing into the extra clothes Eve had insisted on providing—a heavy wool shirt and breeches, boots, and a raincoat that should help make him relatively inconspicuous. The holstered pistol went along, of course, with plenty of extra cartridges. He'd have to leave the machine while he reconnoitered and chance its discovery. At least he could lock the door.

Outside, he found himself standing in a small cobbled courtyard between high houses with shuttered and darkened windows. Overhead was utter night, the stars must be clouded, but

he saw a vague red glow to the north, pulsing and flickering. After a moment, he squared his shoulders and started down an alley that was like a cavern of blackness.

Briefly, the incredible situation rose in his mind. In less than an hour he had leaped a thousand years past his own age, had seen his friend murdered, and now stood in an alien city more alone than man had ever been. And Eve, will I see you again?

A noiseless shadow, blacker than the night, slipped past him. The dim light shone greenly from its eyes—an alley cat! At least man still had pets. But he could have wished for a more reassuring one.

Noise came from ahead, a bobbing light flashing around at the doors of houses. He dropped a hand through the slit in his coat to grasp the pistol butt.

Black against the narrowed skyline four men came abreast, filling the street. The rhythm of their footfalls was military. A guard of some kind. He looked around for shelter; he didn't want to be taken prisoner by unknowns.

No alleys to the side—he jidled backward. The flashlight beam darted ahead, crossed his body, and came back. A voice shouted something, harsh and peremptory.

Saunders turned and ran. The voice cried out again behind him. He heard the slam of boots after him, someone blew a horn, raising echoes that hooted between the high dark walls.

A black form grew out of the night. Fingers like steel wires closed on his arm, yanking him to one side. He opened his mouth and a hand slipped across it. Before he could recover balance, he was pulled down a flight of stairs in the street.

"In heah." The hissing whisper was taut in his ear. "Quickly."

A door slid open just a crack. They burst through, and the other man closed it behind them. An automatic lock clicked shut.

"Ih don' tink dey vised use," said the man grimly. "Dey better not ha'!"

Saunders stared at him. The other man was of medium height, with a lithe, slender build shown by the skin-tight grey clothes under his black cape. There was a gun at one hip, a pouch at the other. His face was sallow, with a yellowish tinge, and the hair was shaven. It was a lean, strong face, with high cheekbones and narrow jaw, straight nose with flaring nostrils, dark, slant eyes under Mephistophelean brows. The mouth, wide and self-indulgent, was drawn into a reckless grin that showed sharp white teeth. Some sort of white-Mongoloid half-breed, Saunders guessed.

"Who are you?" he asked roughly.

The stranger surveyed him shrewdly. "Belgotai of Syrtis," he said at last. "But yuh don' belong heah."

"I'll say I don't." Wry humour rose in Saunders. "Why did you snatch me that way?"

"Yuh didn't wanna fall into de Watch's hands, did yuh?" asked Belgotai. "Don' ask mih why Ih ressed a stranger; Ih happened to come out, see yuh running, figgered anybody running for de Watch desuhved help, an' pulled yuh back in." He shrugged. "Of course, if yuh don' wanna be helped, go back up stairs."

"I'll stay here, of course," he said. "And—thanks for rescuing me."

"De nada," said Belgotai. "Come, le's ha' a drink."

It was a smoky, low-ceilinged room, with a few scarred wooden tables crowded about a small charcoal fire and big barrels in the rear—a tavern of some sort, an underworld hangout. Saunders reflected that he might have done worse. Crooks would be as finicky about his antecedents as officialdom might be. He could ask his way around, learn.

"I'm afraid I haven't any money,"

the rate at which lines of descent spread, there would be men in each army who had his own and Eve's blood, warring on each other without thought of the tenderness which had wrought their very beings. But then, he remembered wearily, he had never considered the common ancestors he must have with men he'd shot out of the sky in the war he once had fought.

Men lived in their own times, a brief flash of light ringed with an enormous dark, and it was not in their nature to think beyond that little span of years. He began to realise why time travel had never been common.

"Hist!" Belgotai drew him into the tunnel of an alley. They crouched there while four black-caped men of the Watch strode past. In the wan red light, Saunders had a glimpse of high cheekbones, half-Oriental features, the metallic gleam of guns slung over their shoulders.

They made they way to the machine where it lay between lowering houses crouched in a night of fear and waiting. Belgotai laughed again, a soft, joyous ring in the dark. "Freedom!" he whispered.

They crawled into it and Saunders set the controls for a hundred years ahead. Belgotai scowled. "Most like de world'll be very tame and quiet den," he said.

"If I get a way to return," said Saunders, "I'll carry you on whenever you want to go."

"Or yuh could carry me back a hundred years from now," said the warrior. "Blast away, den!"

3100 A.D. A waste of blackened, fused rock. Saunders switched on the Geiger counter and it clattered crazily. Radioactive! Some hellish atomic bomb had wiped Lung-Wei from existence. He leaped another century, shaking.

3200 A.D. The radioactivity was gone; but the desolation remained, a vast vitrified crater under a hot, still sky, dead and lifeless. There was little prospect of walking across it in search

of man, nor did Saunders want to get far from the machine. If he should be cut off from it. . . .

By 3500, soil had drifted back over the ruined land and a forest was growing. They stood in a drizzling rain and looked around them.

"Big trees," said Saunders. "This forest has stood for a long time without human interference."

"Maybe man went back to de caves?" suggested Belgotai.

"I doubt it. Civilisation was just too widespread for a lapse into total savagery. But it may be a long ways to a settlement."

"Let's go ahead, den!" Belgotai's eyes gleamed with interest.

The forest still stood for centuries thereafter. Saunders scowled in worry. He didn't like this business of going farther and farther from his time, he was already too far ahead ever to get back without help. Surely, in all ages of human history—

4100 A.D. They flashed into materialisation on a broad grassy sward where low, rounded buildings of something that looked like tinted plastic stood between fountains, statues, and bowers. A small aircraft whispered noiselessly overhead, no sign of motive power on its exterior.

There were humans around, young men and women who wore long colourful capes over light tunics. They crowded forward with a shout. Saunders and Belgotai stepped out, raising hands in a gesture of friendship. But the warrior kept his hands close to his gun.

The language was a flowing, musical tongue with only a baffling hint of familiarity. Had times changed that much?

They were taken to one of the buildings. Within its cool, spacious interior, a grave, bearded man in ornate red robes stood up to greet them. Someone else brought in a small machine reminiscent of an oscilloscope with microphone attachments. The man set it on the table and adjusted its dials.

He spoke again, his own unknown language rippling from his lips. But words came out of the machine—English!

"Welcome, travellers, to this branch of the American College. Please be seated."

Saunders and Belgotai gaped. The man smiled. "I see the psychophone is new to you. It is a receiver of encephalic emissions from the speech centres. When one speaks, the corresponding thoughts are taken by the machine, greatly amplified, and beamed to the brain of the listener, who interprets them in terms of his own language."

"Permit me to introduce myself. I am Hamalon Avard; dean of this branch of the College." He raised bushy gray eyebrows in polite inquiry.

They gave their names and Avard bowed ceremoniously. A slim girl, whose scanty dress caused Belgotai's eyes to widen, brought a tray of sandwiches and a beverage not unlike tea. Saunders suddenly realised how hungry and tired he was. He collapsed into a seat that molded itself to his contours and looked dully at Avard.

Their story came out, and the dean nodded. "I thought you were time travellers," he said. "But this is a matter of great interest. The archaeology departments will want to speak to you, if you will be so kind—"

"Can you help us?" asked Saunders bluntly. "Can you fix our machine so it will reverse?"

"Alas, no. I am afraid our physics holds no hope for you. I can consult the experts, but I am sure there has been no change in spatiotemporal theory since Priogan's reformulation. According to it, the energy needed to travel into the past increases tremendously with the period covered. The deformation of world lines, you see. Beyond a period of about seventy years, infinite energy is required."

Saunders nodded dully. "I thought so. Then there's no hope?"

"Not in this time, I am afraid. But

science is advancing rapidly. Contact with alien culture in the Galaxy has proved an immense stimulant—"

"Yuh have interstellar travel?" exploded Belgotai. "Yuh can travel to de stars?"

"Yes, of course. The faster-than-light drive was worked out over five hundred years ago on the basis of Priogan's modified relativity theory. It involves warping through higher dimensions— But you have more urgent problems than scientific theories."

"Not Ih!" said Belgotai fiercely. "If Ih can get put among de stars—dere must be wars dere—"

"Alas, yes, the rapid expansion of the frontier has thrown the Galaxy into chaos. But I do not think you could get passage on a spaceship. In fact, the Council will probably order your temporal deportation as unintegrated individuals. The sanity of Sol will be in danger otherwise."

"Why, yuh—" Belgotai snarled and reached for his gun. Saunders clapped a hand on the warrior's arm.

"Take it easy, you bloody fool," he said furiously. "We can't fight a whole planet. Why should we? There'll be other ages."

Belgotai relaxed, but his eyes were still angry.

They stayed at the College for two days. Avard and his colleagues were courteous, hospitable, eager to hear what the travellers had to tell of their periods. They provided food and living quarters and much-needed rest. They even pleaded Belgotai's case to the Solar Council, via telescreen. But the answer was inexorable: the Galaxy already had too many barbarians. The travellers would have to go.

Their batteries were taken out of the machine for them and a small atomic engine with nearly limitless energy reserves installed in its place. Avard gave them a psychophone for communication with whoever they met in the future. Everyone was very

nice and considerate. But Saunders found himself reluctantly agreeing with Belgotai. He didn't care much for these over-civilised gentlefolk. He didn't belong in this age.

Avard bade them grave good-by. "It is strange to see you go," he said. "It is a strange thought that you will still be travelling long after my cremation, that you will see things I cannot dream of." Briefly, something stirred in his face. "In a way I envy you." He turned away quickly, as if afraid of the thought. "Good-by and good fortune."

4300 A.D. The campus buildings were gone, but small, elaborate summerhouses had replaced them. Youths and girls in scanty rain-bowhued dress crowded around the machine.

"You are time travellers?" asked one of the young men, wide-eyed.

Saunders nodded, feeling too tired for speech.

"Time travellers!" A girl squealed in delight.

"I don't suppose you have any means of travelling into the past these days?" asked Saunders hopelessly.

"Not that I know of. But please come, stay for a while, tell us about your journeys. This is the biggest laugh we've had since the ship came from Sirius."

There was no denying the eager insistence. The women, in particular, crowded around, circling them in a ring of soft arms, laughing and shouting and pulling them away from the machine. Belgotai grinned. "Let's stay de night," he suggested.

Saunders didn't feel like arguing the point. There was time enough, he thought bitterly. All the time in the world.

It was a night of revelry. Saunders managed to get a few facts. Sol was a Galactic backwater these days, stuffed with mercantile wealth and guarded by nonhuman mercenaries against the interstellar raiders and conquerors. This region was one of many

playgrounds for the children of the great merchant families, living for generations off inherited riches. They were amiable kids, but there was a mental and physical softness about them, and a deep inward weariness from a meaningless round of increasingly stale pleasure. Decadence.

Saunders finally sat alone under a moon that glittered with the diamond-points of domed cities, beside a softly lapping artificial lake, and watched the constellations wheel overhead—the fat suns that man had conquered without mastering himself. He thought of Eve and wanted to cry, but the hollowness in his breast was dry and cold.

Belgotai had a thumping hangover in the morning which a drink offered by one of the women removed. He argued for a while about staying in this age. Nobody would deny him passage this time; they were eager for fighting men out in the Galaxy. But the fact that Sol was rarely visited now, that he might have to wait years, finally decided him on continuing.

"Dis won't go on much longer," he said. "Sol is too tempting a prize, and mercenaries aren't allays loyal. Soon or later, dere'll be war on Eart' again."

Saunders nodded dispiritedly. He hated to think of the blasting energies that would devour a peaceful and harmless folk, the looting and murdering and enslaving, but history was that way. It was littered with the graves of pacifists.

The bright scene swirled into grayness. They drove ahead.

4400 A.D. A villa was burning, smoke and flame reaching up into the clouded sky. Behind it stood the looming bulk of a ray-scarred spaceship, and around it boiled a vortex of men, huge bearded men in helmets and cuirasses, laughing as they bore out golden loot and struggling captives. The barbarians had come!

The two travellers leaped back into the machine. Those weapons could fuse it to a glowing mass. Saunders

swung the maindrive switch far over.

"We'd better make a longer jump," Saunders said, as the needle crept past the century mark. "Can't look for much scientific progress in a dark age. I'll try for five thousand A.D."

His mind carried the thought on: Will there ever be progress of the sort we must have? Ere, will I ever see you again? As if his yearning could carry over the abyss of millennia: Don't mourn me too long, my dearest. In all the bloody ages of human history, your happiness is all that ultimately matters.

As the needle approached six centuries, Saunders tried to ease down the switch. Tried!

"What's the matter?" Belgotai leaned over his shoulder.

With a sudden cold sweat along his ribs, Saunders tugged harder. The switch was immobile—the projector wouldn't stop.

"Out of order?" asked Belgotai anxiously.

"No—it's the automatic mass-detector. We'd be annihilated if we emerged in the same space with solid matter. The detector prevents the projector from stopping if it senses such a structure." Saunders grinned savagely. "Some damned idiot must have built a house right where we are!"

The needle passed its limit, and still they droned on through a featureless greyness. Saunders reset the dial and noted the first half millennium. It was nice, though not necessary, to know what year it was when they emerged.

He wasn't worried at first. Man's works were so horribly impermanent; he thought with a sadness of the cities and civilisations he had seen rise and spend their little hour and sink back into the night and chaos of time. But after a thousand years

Two thousand . . .

Three thousand . . .

Belgotai's face was white and tense

in the dull glow of the instrument panel. "How long to go?" he whispered.

"I—don't—know."

Within the machine, the long minutes passed while the projector hummed its song of power and two men stared with hypnotised fascination at the creeping record of centuries.

For twenty thousand years that incredible thing stood. In the year 25,296 A.D., the switch suddenly went down under Saunders's steady tug. The machine flashed into reality, tilted, and slid down a few feet before coming to rest. Wildly, they opened the door.

The projector lay on a stone block big as a small house, whose ultimate slipping from its place had freed them. It was halfway up a pyramid.

A monument of grey stone, a tetrahedron a mile to a side and a half a mile high. The outer casing had worn away, or been removed, so that the tremendous blocks stood naked to the weather. Soil had drifted up on to it, grass and trees grew on its titanic slopes. Their roots, and wind and rain and frost, were slowly crumbling the artificial hill to earth again, but still it dominated the landscape.

A defaced carving leered out from a tangle of brush. Saunders looked at it and looked away, shuddering. No human being had ever carved that thing.

The countryside around was altered; he couldn't see the old river and there was a lake glimmering in the distance which had not been there before. The hills seemed lower, and forest covered them. It was a wild, primeval scene, but there was a space-ship standing near the base, a monster machine with its nose rearing skyward and a sunburst blazon on its hull. And there were men working nearby.

Saunders's shout rang in the still air. He and Belgotai scrambled down the steep slopes of earth, clawing past trees and vines. Men!

No—not all men. A dozen great shining engines were toiling without supervision at the foot of the pyramid—robots. And of the group which turned to stare at the travellers, two were squat, blue-furred, with snouted faces and six-fingered hands.

Saunders realised with an unexpectedly eerie shock that he was seeing extra-terrestrial intelligence. But it was to the men that he faced.

They were all tall, with aristocratically refined features and a calm that seemed inbred. Their clothing was impossible to describe, it was like a rainbow shimmer around them, never the same in its play of colour and shape. So, thought Saunders, so must the old gods have looked on high Olympus, beings greater and more beautiful than man.

But it was a human voice that called to them, a deep, well-modulated tone in a totally foreign language. Saunders remembered exasperately that he had forgotten the psychophone. But one of the blue-furred aliens were already fetching a round, knob-studded globe out of which the familiar translating voice seemed to come: "... time travellers."

"From the very remote past, obviously," said another man. Damn him, damn them all, they weren't any more excited than at the bird which rose, startled, from the long grass. You'd think time travellers would at least be worth shaking by the hand.

"Listen," snapped Saunders, realising in the back of his mind that his annoyance was a reaction against the awesomeness of the company, "we're in trouble. Our machine won't carry us back, and we have to find a period of time which knows how to reverse the effect. Can you do it?"

One of the aliens shook his animal head. "No," he said. "There is no way known to physics of getting further back than about seventy years. Beyond that, the required energy approaches infinity and—"

Saunders groaned. "We know it," said Belgotai harshly.

"At least you must rest," said one of the men in a more kindly tone. "It will be interesting to hear your story."

"I've told it to too many people in the last few millennia," rasped Saunders. "Let's hear yours for a change."

Two of the strangers exchanged low-voiced words. Saunders could almost translate them himself: "Barbarians—childish emotional pattern—well, humour them for a while."

"This is an archeological expedition, excavating the pyramid," said one of the men patiently. "We are from the Galactic Institute, Sarian-sector branch. I am Lord Arsfel of Astracyr, and these are my subordinates. The nonhumans, as you may wish to know, are from the planet Quilhan, whose sun is not visible from Terra."

Despite himself, Saunders's awed gaze turned to the stupendous mass looming over them. "Who built it?" he breathed.

"The Ixchulhi made such structures on planets they conquered, no one knows why. But then, no one knows what they were, or where they came from, or where they ultimately went. It is hoped that some of the answers may be found in their pyramids."

The atmosphere grew more relaxed. Deftly, the men of the expedition got Saunders's and Belgotai's stories and what information about their almost prehistoric periods they cared for. In exchange, something of history was offered them.

After the Ixchulhi's ruinous wars the Galaxy had made a surprisingly rapid comeback. New techniques of mathematical psychology made it possible to unite the peoples of a billion worlds and rule them effectively. The Galactic Empire was egalitarian—it had to be, for one of its mainstays was the fantastically old and evolved race of the planet called Vro-Hi by men.

It was peaceful, prosperous, colourful with diversity of races and cul-

tures, expanding in science and the arts. It had already endured for ten thousand years, and there seemed no doubt in Arsfel's calm mind that it could endure forever. The barbarians along the Galactic periphery and out in the Magellanic Clouds? Nonsense! The Empire would get around to civilising them in due course; meanwhile they were only a nuisance.

But Sol could almost be called one of the barbarian suns, though it lay within the Imperial boundaries. Civilisation was concentrated near the centre of the Galaxy, and Sol lay in what was actually a remote and thinly starred region of space. A few primitive landsmen still lived on its planets and had infrequent intercourse with the nearer stars, but they hardly counted. The human race had almost forgotten its ancient home.

Somewhat the picture was saddening to the American. He thought of old Earth spinning on her lonely way through the emptiness of space, he thought of the great arrogant Empire and of all the mighty dominions which had fallen to dust through the millennia. But when he ventured to suggest that this civilisation, too was not immortal, he was immediately snowed under with figures, facts, logic, the curious, paramathematical symbolism of modern mass psychology. It could be shown rigorously that the present setup was inherently stable—and already ten thousand years of history had given no evidence to upset that science. . . .

"I give up," said Saunders. "I can't argue with you."

They were shown through the spaceship's immense interior, the luxurious apartments of the expedition, the looming intricate machinery which did its own thinking. Arsfel tried to show them his art, his recorded music, his psychobooks, but it was no use, they didn't have the understanding.

Savages! Could an Australian aborigine have appreciated Rembrandt, Beethoven, Kant, or Einstein? Could he have lived hap-

pily in sophisticated New York society?

"We'd best go," muttered Belgotai. "We don't belong here."

Saunders nodded. Civilisation had gone too far for them, they could never be more than frightened pensioners in its hugeness. Best to get on their way again.

"I would advise you to leap ahead for long intervals," said Arsfel. "Galactic civilisation won't have spread out this far for many thousands of years, and certainly whatever native culture Sol develops won't be able to help you." He smiled. "It doesn't matter if you overshoot the time when the process you need is invented. The records won't be lost, I assure you. From here on, you are certain of encountering only peace and enlightenment . . . unless, of course, the barbarians of Terra get hostile, but then you can always leave them behind. Sooner or later, there will be true civilisation here to help you."

"Tell me honestly," said Saunders. "Do you think the negative time machine will ever be invented?"

One of the beings from Quilhan shook his strange head. "I doubt it," he said gravely. "We would have had visitors from the future."

"They might not have cared to see your time," argued Saunders desperately. "They'd have complete records of it. So they'd go back to investigate more primitive ages, where their appearance might easily pass unnoticed."

"You may be right," said Arsfel. His tone was disconcertingly like that with which an adult comforts a child by a white lie.

"Let's go!" snarled Belgotai.

In 26,000 the forests still stood and the pyramid had become a high hill where trees nodded and rustled in the wind.

In 27,000 a small village of wood and stone houses stood among smiling grain fields.

In 28,000 men were tearing down the pyramid, quarrying it for stone. But its huge bulk was not gone before 30,000 A.D., and a small city had been built from it.

Minutes ago, thought Saunders grayly, they had been talking to Lord Arsfel of Astracyr, and now he was 5,000 years in his grave.

In 31,000, they materialised on one of the broad lawns that reached between the towers of a high and proud city. Aircraft swarmed overhead and a spaceship, small beside Arsfel's hut nonetheless impressive, was standing nearby.

"Looks like de Empire's got heab," said Belgotai.

"I don't know," said Saunders. "But it looks peaceful, anyway. Let's go out and talk to people."

They were received by tall, stately women in white robes of classic lines. It seemed that the Matriarchy now ruled Sol, and would they please conduct themselves as befitting the inferior sex? No, the Empire hadn't ever gotten out here; Sol paid tribute, and there was an Imperial legate at Sirius, but the actual boundaries of Galactic culture hadn't changed for the past three millennia. Solar civilisation was strictly home-grown and obviously superior to the alien influence of the Vro-Hi.

No, nothing was known about time theory. Their visit had been welcome and all that, but now would they please go on? They didn't fit in with the neatly regulated culture of Terra.

"I don't like it," said Saunders as they walked back toward the machine.

"Arfsel swore the Imperium would keep expanding its actual as well as its nominal sphere of influence. But it's gone static now. Why?"

"Ih tink," said Belgotai, "dat spite of all his fancy mathematics, yuh were right. Nawthing lasts forever."

"But—heavens!"

34,000 A.D. The Matriarchy was gone. The city was a tumbled heap of fire-blackened rocks. Skeletons lay in the ruins.

"The barbarians are moving again," said Saunders bleakly. "They weren't here—so very long ago, these bones are still fresh, and they've got a long ways to go to dead centre. An empire like this one will be many thousands of years in dying. But it's doomed already."

"What'll we do?" asked Belgotai.

"Go on," said Saunders tonelessly. "What else can we do?"

35,000 A.D. A peasant hut stood under huge old trees. Here and there a broken column stuck out of the earth, remnant of the city. A bearded man in coarsely woven garments fled wildly with his woman and brood of children as the machine appeared.

36,000 A.D. There was a village again, with a battered old spaceship standing hard by. There were half a dozen different races, including man, moving about, working on the construction of some enigmatic machine. They were dressed in plain, shabby clothes, with guns at their sides and the hard look of warriors in their eyes. But they didn't treat the new arrivals too badly.

Their chief was a young man in the cape and helmet of an officer of the Empire. But his outfit was at least a century old, and he was simply head of a small troop which had been hired from among the barbarian hordes to protect this part of Terra. Oddly, he insisted he was a loyal vassal of the Empire.

The Empire! It was still a remote glory, out there among the stars. Slowly it waned, slowly the barbarians encroached while corruption and civil war tore it apart from the inside, but it was still the pathetic, futile hope of intelligent beings throughout the Galaxy. Some day it would be restored. Some day civilisation would return to the darkness of the outer worlds, greater and more splendid than ever. Men dared not believe otherwise.

"But we've got a job right here," shrugged the chief. "Tautho of Sirius

will be on Sol's necks soon. I doubt if we can stand him off for long."

"And what'll yuh do den?" challenged Belgotai.

The young-old face twisted in a bitter smile. "Die, of course. What else is there to do—these days?"

They stayed overnight with the troopers. Belgotai had fun swapping lies about warlike exploits, but in the morning he decided to go on with Saunders. The age was violent enough, but the hopelessness daunted even his tough soul.

Saunders looked haggardly at the control panel. "We've got to go a long ways ahead," he said. "A hell of a long ways."

50,000 A.D. They flashed out of the time drive and opened the door. A raw wind caught at them, driving thin sheets of snow before it. The sky hung low and gray over a landscape of high rocky hills where pine trees stood gloomily between naked crags. There was ice on the river that murmured darkly out of the woods.

Geology didn't work that fast, even 14,000 years wasn't a very long time to the slowly changing planets. It must have been the work of intelligent beings, ravaging and scoring the world with senseless wars of unbelievable forces.

A grey stone mass dominated the landscape. It stood enormous a few miles off, its black walls sprawling over incredible acres, its massive crenellated towers reaching gauntly into the sky. And it lay half in ruin, torn and tumbled stone distorted by energies that once made rock run molten, blurred by uncounted millennia of weather—old.

"Dead," Saunders' voice was thin under the hooting wind. "All dead."

"Not!" Belgotai's slant eyes squinted against the flying snow. "No, Mah-tin, Ih tink Ih see a banner flying."

The wind blew bitterly around them, searing them with its chill. "Shall we go on?" asked Saunders dully.

"Best we go find out wha's happened," said Belgotai. "Dey can do no worse dan kill us, and Ih begin to tink dat's not so bad."

Saunders put on all the clothes he could find and took the psychophone in one chilled hand. Belgotai wrapped his cloak tightly about him. They started toward the grey edifice.

The wind blew and blew. Snow hissed around them, covering the tough grey-green vegetation that hugged the stony ground. Summer on Earth, 50,000 A.D.

As they neared the structure, its monster size grew on them. Some of the towers which still stood must be almost half a mile high, thought Saunders dizzily. But it had a grim, barbaric look; no civilised race had ever built such a fortress.

Two small, swift shapes darted into the air from that cliff-like wall. "Aircraft," said Belgotai laconically. The wind ripped the word from his mouth.

They were ovoidal, without external controls or windows, apparently running on the gravitic forces which had long ago been tamed. One of them hovered overhead, covering the travellers, while the other dropped to the ground. As it landed, Saunders saw that it was old and worn and scarred. But there was a faded sunburst on its side. Some memory of the Empire must still be alive.

Two came out of the little vessel and approached the travellers with guns in their hands. One was human, a tall well-built young man with shoulder-length black hair flowing under a tarnished helmet, a patched purple coat streaming from his cuirassed shoulders, a faded leather kit and buskins. The other. . .

He was a little shorter than the man, but immensely broad of chest and limb. Four muscled arms grew from the massive shoulders, and a tufted tail lashed against his clawed feet. His head was big, broad-skulled, with a round half-animal face and cat-like whiskers about the fanged

mouth and the split-pupiled yellow eyes. He wore no clothes except a leather harness, but soft blue-grey fur covered the whole great body.

The psychophone clattered out the man's hail: "Who comes?"

"Friends," said Saunders. "We wish only shelter and a little information."

"Where are you from?" There was a harsh, peremptory note in the man's voice. His face—straight, thin-boned, the countenance of a highly bred aristocrat—was gaunt with strain. "What do you want? What sort of spaceship is that you've got down there?"

"Easy, Vargor," rumbled the alien's bass. "That's no spaceship, you can see that."

"No," said Saunders. "It's a time projector."

"Time travelers!" Vargor's intense blue eyes widened. "I heard of such things once, but—time travelers! Suddenly: 'When are you from? Can you help us?'"

"We're from very long ago," said Saunders pitiingly. "And I'm afraid we're alone and helpless."

Vargor's erect carriage sagged a little. He looked away. But the other being stepped forward with an eagerness in him. "How far back?" he asked. "Where are you going?"

"We're going to hell, most likely. But can you get us inside? We're freezing."

"Of course. Come with us. You'll not take it amiss if I send a squad to inspect your machine? We have to be careful, you know."

The four squeezed into the aircraft and it lifted with a groan of ancient engines. Vargor gestured at the fortress ahead and his tone was a little wild. "Welcome to the hold of Brontothor! Welcome to the Galactic Empire!"

"The Empire?"

"Aye, this is the Empire, or what's left of it. A haunted fortress on a frozen-ghost world, last fragment of the old Imperium and still trying to

pretend that the Galaxy is not dying—that it didn't die millennia ago, that there is something left besides wild beasts howling among the ruins." Vargor's throat caught in a dry sob. "Welcome!"

The alien laid a huge hand on the man's shoulder. "Don't get hysterical, Vargor," he reproved gently. "As long as brave beings hope, the Empire is still alive—whatever they say."

He looked over his shoulder at the others. "You really are welcome," he said. "It's a hard and dreary life we lead here. Taury and the Dreamer will both welcome you gladly." He paused. Then, unsurely, "But best you don't say too much about the ancient time, if you've really seen it. We can't bear too sharp a reminder, you know."

The machine slipped down beyond the wall, over a gigantic flagged courtyard to the monster bulk of the—the donjon, Saunders supposed one could call it. It rose up in several tiers, with pathetic little gardens on the terraces, toward a dome of clear plastic.

The walls, he saw, were immensely thick, with weapons mounted on them which he could see clearly through the drifting snow. Behind the donjon stood several long, barracks-like buildings, and a couple of spaceships which must have been held together by pure faith rested near what looked like an arsenal. There were guards on duty, helmeted men with energy rifles, their cloaks wrapped tightly against the wind, and other folk scurried around the monstrous walls, men and women and children.

"There's Taury," said the alien, pointing to a small group clustered on one of the terraces. "We may as well land right there." His wide mouth opened in an alarming smile. "And forgive me for not introducing myself before. I'm Hunda of Haamigur, general of the Imperial armies, and this is Vargor Alfri, prince of the Empire."

"Yuh crazy?" blurted Belgotai. "What Empire?"

Hunda shrugged. "It's a harmless game, isn't it? At that, you know, we are the Empire—legally. Taury is a direct descendant of Mauroco the Doomer, last Emperor to be anointed according to the proper forms. Of course, that was five thousand years ago, and Mauroco had only three systems left then, but the law is clear. These hundred or more barbarian pretenders, human and otherwise, haven't the shadow of a real claim to the title."

The vessel grounded and they stepped out. The others waited for them to come up. There were half a dozen old men, their long beards blowing wildly in the gale, there was a being with the face of a long-beaked bird, and one that had the shape of a centauroid.

"The court of the Empress Taury," said Hunda.

"Welcome." The answer was low and gracious.

Saunders and Belgotai stared dumbly at her. She was tall, tall as a man, but under her tunic of silver links and her furred cloak she was such a woman as they had dreamed of without ever knowing in life. Her proudly lifted head had something of Vargor's looks, the same clean-lined, high-cheeked face, but it was the countenance of a woman, from the broad clear brow to the wide, wondrously chiselled mouth and the strong chin. The cold had flushed the lovely pale planes of her cheeks. Her heavy bronze-red hair was braided about her helmet, with one rebellious lock tumbling softly toward the level, hark brows. Her eyes, huge and oblique and grey as northern seas, were serene on them.

Saunders found tongue. "Thank you, your majesty," he said in a firm voice.

"If it please you, I am Martin Saunders of America, some 48,000 years in the past, and my companion

is Belgotai, free companion from Syrtis about a thousand years later. We are at your service for what little we may be able to do."

She inclined her stately head, and her sudden smile was warm and human. "It is a rare pleasure," she said. "Come inside, please. And forget the formality. To-night let us simply be alive."

They sat in what had been a small council chamber. The great hall was too huge and empty, a cavern of darkness and rustling relics of greatness, hollow with too many memories. But the lesser room had been made livable, hung with tapestries and carpeted with skins. Fluorotubes cast a white light over it, and a fire crackled cheerfully in the hearth. Had it not been for the wind against the windows, they might have forgotten where they were.

"—and you can never go back?" Taury's voice was sober. "You can never get home again?"

"I don't think so," said Saunders. "From our story, it doesn't look that way, does it?"

"No," said Hunda. "You'd better settle down in some time and make the best of matters."

"Why not with us?" asked Vargor eagerly.

"We'd welcome you with all our hearts," said Taury, "but I cannot honestly advise you to stay. These are evil times."

It was a harsh language they spoke, a ringing metallic tongue brought in by the barbarians. But from her throat, Saunders thought, it was utter music.

"We'll at least stay a few days," he said impulsively. "It's barely possible we can do something."

"I doubt that," said Hunda practically. "We've retrogressed, yes. For instance, the principle of the time projector was lost long ago. But still, there's a lot of technology left which was far beyond your own times."

"I know," said Saunders defensively.

"But—well, frankly—we haven't fitted in any other time as well."

"Will there ever be a decent age again?" asked one of the old courtiers bitterly.

The avian from Klakkahar turned his eyes on Saunders. "It wouldn't be cowardice for you to leave a lost cause which you couldn't possibly aid," he said in his thin, accented tones. "When the Anvardi come, I think we will all die."

"What is de tale of de Dreamer?" asked Belgotai. "You've mentioned some such."

It was like a sudden darkness in the room. There was silence, under the whistling wind, and men sat wrapped in their own cheerless thoughts. Finally Taury spoke.

"He is the last of the Vro-Hi, counselors of The Empire. That one still lives—the Dreamer. But there can never really be another Empire, at least not on the pattern of the old one. No other race is intelligent enough to co-ordinate it."

Hunda shook his big head, puzzled. "The Dreamer once told me that might be for the best," he said. "But he wouldn't explain."

"How did you happen to come here—to Earth, of all planets?" Saunders asked.

Taury smiled with a certain grim humour. "The last few generations have been one of the Imperium's less fortunate periods," she said. "In short, the most the Emperor ever commanded was a small fleet. My father had even that shot away from him. He fled with three ships, out toward the Periphery. It occurred to him that Sol was worth trying as a refuge."

The Solar System had been cruelly scarred in the dark ages. The great engineering works which had made the other planets habitable were ruined, and Earth herself had been laid waste. There had been a weapon used which consumed atmospheric carbon dioxide. Saunders, remembering the explanation for the Ice Ages offered by geologists of his own time,

nodded in dark understanding. Only a few starveling savages lived on the planet now, and indeed the whole Sirius Sector was so desolated that no conqueror thought it worth bothering with.

It had pleased the Emperor to make his race's ancient home the capital of the Galaxy. He had moved into the ruined fortress of Brontothor, built some seven thousand years ago by the non-human Grimmeri and blasted out of action a millennium later. Renovation of parts of it, installation of weapons and defensive works, institution of agriculture. . . "Why, he had suddenly acquired a whole planetary system!" said Taury with a half-sad little smile.

She took them down into the underground levels the next day to see the Dreamer. Vargor went along too, walking close beside her, but Hunda stayed topside; he was busy supervising the construction of additional energy screen generators.

They went through immense vaulted caverns hewed out of the rock, dank tunnels of silence where their footfalls echoed weirdly and shadows flitted beyond the dull glow of fluorospheres. Now and then they passed a looming monstrous bulk, the corroded hulk of some old machine. The night and loneliness weighed heavily on them, they huddled together and did not speak for fear of rousing the jeering echoes.

"There were slideways here once," remarked Taury as they started, "but we haven't gotten around to installing new ones. There's too much else to do."

Too much else—a civilisation to rebuild, with these few broken remnants. How can they dare even to keep trying in the face of the angry gods? What sort of courage is it they have?

Taury walked ahead with the long, swinging stride of a warrior, a red lioness of a woman in the wavering shadows. Her grey eyes caught the light with a supernatural

brilliance. Vargor kept pace, but he lacked her steadiness, his gaze shifted nervously from side to side as they moved down the haunted, booming length of the tunnels. Belgotai went cat-footed, his own restless eyes had merely the habitual wariness of his hard and desperate lifetime. Again Saunders thought, what a strange company they were, four humans from the dawn and the dusk of human civilisation, thrown together at the world's end and walking to greet the last of the gods. His past life, Eve, MacPherson, the world of his time, were dimming in his mind, they were too remote from his present reality. It seemed as if he had never been anything but a follower of the Galactic Empress.

They came at last to a door. Taury knocked softly and swung it open—yes, they were even back to manual doors now.

Saunders had been prepared for almost anything, but none the less the appearance of the Dreamer was a shock. He had imagined a grave white-bearded man, or a huge-skulled spider-thing, or a naked brain pulsing in a machine-tended case. But the last of the Vro-Hi was—a monster.

No—not exactly. Not when you discarded human standards, then he even had a weird beauty of his own. The gross bulk of him sheened with iridescence, and his many seven-fingered hands were supple and graceful, and the eyes—the eyes were huge pools of molten gold, lambent and wise, a stare too brilliant to meet directly.

He stood up on his stumpy legs as they entered, barely four feet high though the head-body unit was broad and massive. His hooked beak did not open, and the psychophone remained silent, but as the long delicate feelers he heard words, a deep organ voice rolling soundless through the still air: "Greeting, your majesty. Greeting, your highness. Greeting, men out of time, and welcome!"

Telepathy—direct telepathy—so that was how it felt!

"Thank you . . . sir." Somehow, the thing rated the title, rated an awed respect to match his own grave formality. "But I thought you were in a trance of concentration till now. How did you know—" Saunders' voice trailed off and he flushed with sudden distaste.

"No, traveller, I did not read your mind as you think. The Vro-Hi always respected privacy and did not read any thoughts save those contained in speech addressed solely to them. But my induction was obvious."

"What were you thinking about in the last trance?" asked Vargor. His voice was sharp with strain. "Did you reach any plan?"

"No, your highness," vibrated the Dreamer. "As long as the factors involved remain constant, we cannot logically do otherwise than we are doing. When new data appear, I will reconsider immediate necessities. No, I was working further on the philosophical basis which the Second Empire must have."

"What Second Empire?" sneered Vargor bitterly.

"The one which will come—some day," answered Taury quietly.

The Dreamer's wise eyes rested on Saunders and Belgotai. "With your permission," he thought. "I would like to scan your complete memory patterns, conscious, subconscious, and cellular. We know so little of your age." As they hesitated: "I assure you, sirs, that a nonhuman being half a million years old can keep secrets, and certainly does not pass moral judgments. And the scanning will be necessary anyway if I am to teach you the present language."

Saunders braced himself. "Go ahead," he said distastefully.

For a moment he felt dizzy, a haze passed over his eyes and there was an eerie thrill along every nerve of him. Taury laid an arm about his waist, bracing him.

It passed. Saunders shook his head, puzzled. "Is that all?"

"Aye, sir. A Vro-Hi brain can scan an indefinite number of units simultaneously." With a faint hint of a chuckle: "But did you notice what tongue you just spoke in?"

"I—oh—huh?" Saunders looked wildly at Taury's smiling face. The hard, open-vowelled syllables barked from his mouth: "I—by the gods—I can speak Siellarian now!"

"Aye," thought the Dreamer. "The language centres are peculiarly receptive, it is easy to impress a pattern on them. The method of instruction will not work so well for information involving other faculties, but you must admit it is a convenient and efficient way to learn speech."

"Blast off wit me, den," said Belgotai cheerfully. "Ih allays was a dumkoff at languages."

When the Dreamer was through, he thought: "You will not take it amiss if I tell all that what I saw in both your minds was good—brave and honest, under the little neuroses which all beings at your level of evolution cannot help accumulating. I will be pleased to remove those for you, if you wish."

"No, thanks," said Belgotai. "I like my little neuroses."

"I see that you are debating staying here," went on the Dreamer. "You will be valuable, but you should be fully warned of the desperate position we actually are in. This is not a peasant age in which to live."

"From what I've seen," answered Saunders slowly, "golden ages are only superficially better. They may be easier on the surface, but there's death in them. To travel hopefully, believe me, is better than to arrive."

"That has been true in all past ages, aye. It was the great mistake of the Vro-Hi. We should have known better, with ten million years of civilisation behind us." There was a deep and tragic note in the rolling thought-pulse. "But we thought that since we had achieved a static phys-

cal state in which the new frontiers and challenges lay within our own minds, all beings at all levels of evolution could and should have developed in them the same idea.

"With our help, and with the use of scientific psychodynamics and the great cybernetic engines, the coordination of a billion planets became possible. It was perfection, in a way—but perfection is death to imperfect beings, and even the Vro-Hi had many shortcomings. I cannot explain all the philosophy to you; it involves concepts you could not fully grasp; but you have seen the workings of the great laws in the rise and fall of cultures. I have proved rigorously that permanence is a self-contradictory concept. There can be no goal to reach, not ever."

"Then the Second Empire will have no better hope than decay and chaos again?" Saunders grinned humorously. "Why the devil do you want one?"

Vargor's harsh laugh shattered the brooding silence. "What indeed does it matter?" he cried. "What use to plan the future of the universe, when we are outlaws on a forgotten planet? The Anvardi are coming!" He sobered, and there was a set to his jaw which Saunders liked. "They're coming, and there's little we can do to stop it," said Vargor. "But we'll give them a fight. We'll give them such a fight as the poor Old Galaxy never saw before!"

"Oh, no—oh no—oh no—"

The murmur came unnoticed from Vargor's lips, a broken cry of pain as he stared at the image which flickered and wavered on the great interstellar communscreen. And there was horror in the eyes of Taury, grimness to the set of Hunda's mighty jaws, a sadness of many hopeless centuries in the golden gaze of the Dreamer.

After weeks of preparation and waiting, Saunders realised matters were at last coming to a head.

"Aye, your majesty," said the man

in the screen. He was haggard, exhausted, worn out by strain and struggle and defeat. "Aye, fifty-four shiploads of us, and the Anvardian fleet in pursuit."

"How far behind?" rapped Hunda.

"About half a light-year, sir, and coming up slowly. We'll be close to Sol before they can overhaul us."

"Can you fight them?" rapped Hunda.

"No, sir," said the man. "We're loaded with refugees, women and children and unarmed peasants, hardly a gun on a ship—Can't you help us?" It was a cry, torn by the ripping static that filled the interstellar void. "Can't you help us, your majesty? They'll sell us for slaves!"

"How did it happen?" asked Taury wearily.

"I don't know, your majesty. We heard you were at Sol through your agents, and secretly gathered ships. We don't want to be under the Anvardi, Empress; they tax the life from us and conscript our men and take our women and children. . . . We only communicated by ultrawave; it can't be traced, and we only use the code your agents gave us. But as we passed Canopus, they called on us to surrender in the name of their king—and they have a whole war fleet after us!"

"How long before they get here?" asked Hunda.

"At this rate, sir, perhaps a week," answered the captain of the ship. Static snarled through his words.

"Well, keep on coming this way," said Taury wearily. "We'll send ships against them. You may get away during the battle. Don't go to Sol, of course, we'll have to evacuate that. Our men will try to contact you later."

"We aren't worth it, your majesty. Save all your ships."

"We're coming," said Taury flatly, and broke the circuit.

She turned to the others, and her red head was still lifted. "Most of our people can get away," she said.

"They can flee into the Arlath cluster; the enemy won't be able to find them in that wilderness." She smiled, a tired little smile that tugged at one corner of her mouth. "We all know what to do, we've planned against this day. Munidor, Falz, Mico, start readying for evacuation. Hunda, you and I will have to plan our assault. We'll want to make it as effective as possible, but use a minimum of ships."

"Why sacrifice fighting strength uselessly?" asked Belgotai.

"It won't be useless. We'll delay the Anvardi, and give those refugees a chance to escape."

"If we had weapons," rumbled Hunda. His huge fists clenched. "By the gods, if we had decent weapons!"

The Dreamer stiffened. And before he could vibrate it, the same thought had leaped into Saunders' brain, and they stared at each other, man and Vro-Hian, with a sudden wild hope. . . .

Space glittered and flared with a million stars, thronging against the tremendous dark, the Milky Way fountained around the sky in a rush of cold silver, and it was shattering to a human in its utter immensity. Saunders felt the loneliness of it as he had never felt it on the trip to Venus—for Sol was dwindling behind them, they were rushing out into the void between the stars.

There had only been time to install the new weapon on the dreadnought, time and facilities were so cruelly short, there had been no chance even to test it in manoeuvres. They might, perhaps, have leaped back into time again and again, gaining weeks, but the shops of Terra could only turn out so much material in the one week they did have.

So it was necessary to risk the whole fleet and the entire fighting strength of Sol on this one desperate gamble. If the old Vengeance could do her part, the outnumbered Imperials would have their chance. But if they failed. . . .

Saunders stood on the bridge, looking out at the stellar host, trying to discern the Anvardian fleet. The detectors were far over scale, the enemy was close, but you couldn't visually detect something that outran its own image.

Hunda was at the control central, bent over the cracked old dials and spinning the corroded signal wheels, trying to coax another centimeter per second from a ship more ancient than the Pyramids had been in Saunders' day. The Dreamer stood quietly in a corner, staring rapidly out at the Galaxy. The others at the court were each in charge of a squadron, Saunders had talked to them over the inter-ship visiscreen—Vargor white-lipped and tense, Belgotai blasphemously cheerful, the rest showing only cool reserve.

"In a few minutes," said Taury quietly. "In just a few minutes, Martin."

She paced back from the viewpoint, lithe and restless as a tigress. The cold white starlight glittered in her eyes. A red cloak swirled about the strong, deep curves of her body, a Sunburst helmet sat proudly on her bronze-bright hair. Saunders thought how beautiful she was—by all the gods, how beautiful!

She smiled at him. "It is your doing, Martin," she said. "You came from the past just to bring us hope. It's enough to make one believe in destiny." She took his hand. "But of course it's not the hope you wanted. This won't get you back home."

"It doesn't matter," he said.

"It does, Martin. But—may I say it? I'm still glad of it. Not only for the sake of the Empire, but—"

A voice rattled over the bridge communicator: "Ultrawave to bridge. The enemy is sending us a message, your majesty. Shall I send it up to you?"

"Of course," Taury switched on the bridge screen.

A face leaped into it, strong and

proud and ruthless, the Sunburst shining in the green hair. "Greeting, Taury of Sol," said the Anvardian. "I am Ruulthan, Emperor of the Galaxy."

"I know who you are," said Taury thickly, "but I don't recognise your assumed title."

"Our detectors report your approach with a fleet approximately one-tenth the size of ours. You have one Supernova ship, of course, but so do we. Unless you wish to come to terms, it will mean annihilation."

"What are your terms?"

"Surrender. execution of the criminals who led the attacks on Anvardian planets, and your own pledge of allegiance to me as Galactic Emperor." The voice was clipped, steel-hard.

Taury turned away in disgust. Saunders told Ruulthan in explicit language what to do with his terms, and then cut off the screen.

Taury gestured to the newly installed time-drive controls. "Take them, Martin," she said. "They're yours, really." She put her hands in his and looked at him with serious grey eyes. "And if we should fail in this—good-bye, Martin."

"Goodbye," he said thickly.

He wrenched himself over to the panel and sat down before his few dials. Here goes nothing!

He waved one hand, and Hunda cut off the hyperdrive. At low intrinsic velocity, the Vengeance hung in space while the invisible ships of her fleet flushed past toward the oncoming Anvardi.

Slowly then, Saunders brought down the time-drive switch. And the ship roared with power, atomic energy flowed into the mighty circuits which they had built to carry her huge mass through time—the lights dimmed, the giant machine throbbed and pulsed, and a featureless grey-ness swirled beyond the ports.

He took her back three days. They lay in empty space, the Anvardi were still fantastic distances away. His eyes

strayed to the brilliant yellow spark of Sol. Right there, this minute, he was sweating his heart out installing the time projector which had just carried him back . . .

But no, that was meaningless, simultaneity was arbitrary. And there was a job to do right now.

The chief astrogator's voice came with a torrent of figures. They had to find the exact position in which the Anvardian flagship would be in precisely 72 hours. Hunda rang the signals to the robots in the engine room, and slowly, ponderously, the Vengeance slid across five million miles of space.

"All set," said Hunda. "Let's go!"

Saunders smiled, a merciless skinning of teeth, and threw his main switch in reverse. Three days forward in time . . .

To lie alongside the Anvardian dreadnought!

Frantically Hunda threw the hyperdrive back in matching translight velocities. They could see the ship now, it loomed like a metal mountain against the stars. And every gun in the Vengeance cut loose!

Vortex cannon—blast—atomic shells and torpedoes—gravity snatchers—all the hell which had ever been brewed in the tortured centuries of history vomited against the screens of the Anvardian flagship.

Under that monstrous barrage, filling space with ravaging energy till it seemed its very structure must boil, the screens went down, a flare of light searing like another nova. And through the solid matter of her hull those weapons bored, cutting, blasting, disintegrating. Steel boiled into vapor, into atoms, into pure devouring energy that turned on the remaining solid material. Through and through the hull that fury raged, a waste of flame that let not even ash in its track.

And now the rest of the Imperial fleet drove against the Anvardi. Assaulted from outside, with a devouring

monster in its very midst, the Anvardian fleet lost the offensive, recoiled and broke up into desperately fighting units. War snarled between the silent white stars.

Still the Anvardi fought, hurling themselves against the ranks of the Imperials, wrecking ships and slaughtering men even as they went down. They still had the numbers, if not the organization, and they had the same weapons and the same bitter courage as their foes.

The bridge of the Vengeance shook and roared with the shock of battle. The lights darkened, flickered back, dimmed again. The riven air was sharp with ozone, and the intolerable energies loosed made her interior a furnace. Reports clattered over the communicator: "—Number Three screen down—Compartment Number Five doesn't answer—Vortex turret Five Hundred Thirty Seven out of action—"

Still she fought, still she fought, hurling metal and energy in an unending storm, raging and rampaging among the ships of the Anvardi. Saunders found himself manning a gun, shooting out at vessels he couldn't see, getting his aim by sweat-blinded glances at the instruments—and the hours dragged away in flame and smoke and racking thunder . . .

"They're fleeing!"

The exuberant shout rang through every remaining compartment of the huge old ship. Victory, victory, victory—She had not heard such cheering for five thousand weary years.

Saunders staggered drunkenly back onto the bridge. He could see the scattered units of the Anvardi now that he was behind them, exploding out into the Galaxy in wild search of refuge, hounded and harried by the vengeful Imperial fleet.

And now the Dreamer stood up, and suddenly he was not a stump-legged little monster but a living god whose awful thought leaped across space, faster than light, to bound and roar through the skulls of the bar-

barians. Saunders fell to the floor under the impact of that mighty shout, he lay numbly staring at the impassive stars while the great command rang in his shuddering brain:

"Soldiers of the Anvardi, your false emperor is dead and Taury the Red, Empress of the Galaxy, has the victory. You have seen her power. Do not resist it longer, for it is unstoppable.

"Lay down your arms. Surrender to the mercy of the Imperium. We pledge you amnesty and safe-conduct. And bear this word back to your planets:

"Taury the Red calls on all the chiefs of the Anvardian Confederacy to pledge fealty to her and aid her in restoring the Galactic Empire!"

They stood on a balcony of Brontothor and looked again at old Earth for the first time in almost a year and the last time, perhaps, in their lives.

It was strange to Saunders, this standing again on the planet which had borne him after those months in the many and alien worlds of a Galaxy huger than he could really imagine. There was an odd little tug at his heart, for all the bright hope of the future. He was saying goodbye to Eve's world.

But Eve was gone, for she part of a past forty-eight thousand years dead, and he had seen those years rise and die, his one year of personal time was filled and stretched by the vision of history until Eve was a demote, lovely dream. God keep her, wherever her soul had wandered in these millennia—God grant she had a happy life—but as for him, he had his own life to live, and a mightier task at hand than he had ever conceived.

The last months rose in his mind, a bewilderment of memory. After the surrender of the Anvardian fleet, the Imperials had gone under their escort directly to Canopus and thence through the Anvardian empire. And chief after chief, now that

Ruelthan was dead and Taury had shown she could win a greater mystery than his, pledged allegiance to her.

Hunda was still out there with Belgofai, fighting a stubborn Anvardian earl. The Dreamer was in the great Polarian System, toiling at readjustment. It would be necessary, of course, for the Imperial capital to move from isolated Sol to central Polaris, and Taury did not think she would ever have time or opportunity to visit Earth again.

And so she had crossed a thousand starry light-years to the little lonely sun which had been her home. She brought ships, machines, troops. Sol would have a military base sufficient to protect it. Climate engineers would drive the glacial winter of Earth back to its poles and begin the resettlement of the other planets. There would be schools, factories, civilisation. Sol would have cause to remember its Empress.

Saunders came along because he couldn't quite endure the thought of leaving Earth altogether without farewell. Vargor, grown ever more silent and moody, joined them, but otherwise the old comradeship of Brontothor was dissolving in the sudden fury of work and war and complexity which claimed them.

And so they stood again in the old ruined castle, Saunders and Taury, looking out at the night of Earth.

It was late, all others seemed to be asleep. Below the balcony, the black walls dropped dizzily to the gulf of night that was the main courtyard. Beyond it, a broken section of outer wall showed snow lying white and mystic under the moon. The stars were huge and frosty, flashing and glittering with cold crystal light above the looming pines, grandeur and arrogance and remoteness wheeling enormously across the silent sky. The moon rode high, its scarred old face the only familiarity from Saunders' age, its argent radiance flooding down on the snow to shatter in a million splinters.

It was quiet, quiet, sound seemed to have frozen to death in the bitter windless cold. Saunders had stood alone, wrapped in furs with his breath shining ghostly from his nostrils, looking out on the silent winter cold and thinking his own thoughts. He had heard a soft footfall and turned to see Taury approaching.

"I couldn't sleep," she said.

She came out onto the balcony to stand beside him. The moonlight was white on her face, shimmering faintly from her eyes and hair. She seemed a dim goddess of the night.

"What were you thinking, Martin?" she asked after a while.

"Oh—I don't know," he said. "Just dreaming a little, I suppose. It's a strange thought to me, to have left my own time forever and now to be leaving even my own world."

She nodded gravely. "I know. I feel the same way." Her low voice dropped to a whisper. "I didn't have to come back in person, you know. They need me more at Polaris. But I thought I deserved this last farewell to the days when we fought with our own hands, and fared between the stars, when we were a small band of sworn comrades whose dreams outstripped our strength. It was hard and bitter, yes, but I don't think we'll have time for laughter any more. When you work for a million stars, you don't have a chance to see one peasant's wrinkled face light with a deed of kindness you did, or hear him tell you what you did wrong—the world will be all strangers to us—"

For another moment, silence under the far cold stars, then, "Martin—I am so lonely now."

He took her in his arms. Her lips were cold against his, cold with the cruel silent chill of the night, but she answered him with a fierce yearning.

"I think I love you, Martin," she said after a very long time. Suddenly she laughed, a clear and lovely music echoing from the frosty towers of Brontothor. "Oh, Martin, I shouldn't have been afraid. We'll never be lonely, not ever again."

The moon had sunk far toward the dark horizon when he took her back to her rooms. He kissed her goodnight and went down the booming corridor toward his own chambers.

His head was awash—he was drunk with the sweetness and wonder of it, he felt like singing and laughing aloud and embracing the whole starry universe. Taury, Taury, Taury!

"Martin."

He paused. There was a figure standing before his door, a tall slender form wrapped in a dark cloak. The dull light of a fluoro-globe threw the face into sliding shadow and tormented highlights. Vargor.

"What is it?" he asked.

The prince's hand came up, and Saunders saw the blunt muzzle of a stun pistol gaping at him. Vargor smiled, lopsidedly and sorrowfully. "I'm sorry, Martin," he said.

Saunders stood paralysed with unbelief. Vargor—why, Vargor had fought beside him; they'd saved each other's lives, laughed and worked and lived together—Vargor!

The gun flashed. There was a crashing in Saunders' head and he tumbled into illimitable darkness.

He awoke very slowly, every nerve tingling with the pain of returning sensation. Something was restraining him. As his vision cleared, he saw that he was lying bound and gagged on the floor of his time projector.

The time machine—he'd all but forgotten it, left it standing in a shed while he went out to the stars, he'd never thought to have another look at it. The time machine!

Vargor stood in the open door, a fluoro-globe in one hand lighting his haggard face. His hair fell in disarray past his tired, handsome features, and his eyes were as wild as the low words that spilled from his mouth.

"I'm sorry, Martin, really I am. I like you, and you've done the Empire such a service as I can never forget, and this is as low a trick as one man can ever play on another. But I have

to. I'll be haunted by the thought of this night all my life, but I have to."

Saunders tried to move, snarling incoherently through his gag. Vargor shook his head. "Oh, no, Martin, I can't give up! Our breed has fought if I'm to do evil, I'll at least do a competent job of it."

"I love Taury, you see. I've loved her ever since I first met her, when I came from the stars with a fighting fleet to her father's court and saw her standing there with the frost crackling through her hair and those grey eyes shining at me. I love her so it's like a pain in me. I can't be away from her, I'd pull down the cosmos for her sake. And I thought she was slowly coming to love me."

"And to-night I saw you two on the balcony, and knew I'd lost. Only I can't give up! Our breed has fought the Galaxy for a dream, Martin—it's not in us ever to stop fighting while life is in us. Fighting by any means, for whatever is dear and precious—but fighting!"

Vargor made a gesture of deprecation. "I don't want power, Martin, believe me. The consort's job will be hard and unglamorous, galling to a man of spirit—but if that's the only way to have her, then so be it. And I do honestly believe, right or wrong, that I'm better for her and for the Empire than you. You don't really belong here, you know. You don't have the tradition, the feeling, the training—you don't even have the biological heritage of five thousand years. Taury may care for you now, but think twenty years ahead!"

Vargor smiled wryly. "I'm taking a chance, of course. If you do find a means of negative time travel and come back here, it will be disgrace and exile for me. It would be safer to kill you. But I'm not quite that much of a scoundrel, I'm giving you your chance. At worst, you should escape into the time when the Second Empire is in its glorious bloom, a happier age than this. And if you do find a means to come back—well, remember what I said about your not

belonging, and try to reason with clarity and kindness. Kindness to Taury, Martin."

He lifted the fluoroglobe, casting its light over the dim interior of the machine. "So it's goodbye, Martin, and I hope you won't hate me too much. It should take you several thousand years to work free and stop the machine. I've equipped it with weapons, supplies, everything I think you may need for any eventuality. But I'm sure you'll emerge in a greater and more peaceful culture, and be happier there."

His voice was strangely tender, all of a sudden. "Goodbye, Martin my comrade. And—good luck!"

He opened the main-drive switch and stepped out as the projector began to warm up. The door clanged shut behind him.

Saunders withered on the floor, cursing with a brain that was a black cauldron of bitterness. The great drone of the projector rose, he was on his way—Oh no—stop the machine, God, set me free before it's too late!

The plastic cords cut his wrists. He was lashed to a stanchion, unable to reach the switch with any part of his body. His groping fingers slid across the surface of a knot, the nails clawing for a hold. The machine roared with full power, driving ahead through the vastness of time.

Vargor had bound him skillfully. It took him a long time to get free. Toward the end he went slowly, not caring, knowing with a dull knowledge that he was already more thousands of irretrievable years into the future than his dials would register.

He climbed to his feet, plucked the gag from his mouth, and looked blankly out at the faceless grey. The century needle was hard against its stop. He estimated vaguely that he was some ten thousand years into the future already.

Ten thousand years!
He yanked down the switch with a raging burst of savagery.

It was dark outside. He stood

stupidly for a moment before he saw water seeping into the cabin around the door. Water—he was under water—short circuit! Frantically, he slammed the switch forward again.

He tasted the water on the floor. It was salt. Sometime in that ten thousand years, for reasons natural or artificial, the sea had come in and covered the site of Brontothor.

A thousand years later he was still below its surface. Two thousand, three thousand, ten thousand . . .

Taury, Taury! For twenty thousand years she had been dust on an alien planet. And Belgotai was gone with his wry smile, Hunda's stamchiness, even the Dreamer must long ago have descended into darkness. The sea rolled over dead Brontothor, and he was alone.

He bowed his head on his arms and wept.

For three million years the ocean lay over Brontothor's land. And Saunders drove onward.

He stopped at intervals to see if the waters had gone. Each time the frame of the machine groined with pressure and the sea poured in through the crack of the door. Otherwise he sat dully in the throbbing loneliness, estimating time covered by his own watch and the known rate of the projector, not caring any more about dates or places.

Several times he considered stopping the machine, letting the sea burst in and drown him. There would be peace in its depths, sleep and forgetting. But no, it wasn't in him to quit that easily. Death was his friend, death would always be there waiting for his call.

But Taury was dead.

Time greyed to its end. In the four millionth year, he stopped the machine and discovered that there was dry air around him.

He was in a city. But it was not such a city as he had ever seen or imagined, he couldn't follow the wild geometry of the titanic structures that

loomed about him and they were never the same. The place throbbed and pulsed with incredible forces, it wavered and blurred in a strangely unreal light. Great devastating energies flashed and roared around him—lightning came to Earth. The air hissed and stung with their booming passage.

The thought was a shout filling his skull, blazing along his nerves, too mighty a thought for his stunned brain to do more than grope after meaning:

CREATURE FROM OUT OF TIME, LEAVE THIS PLACE AT ONCE OR THE FORCES WE USE WILL DESTROY YOU!

Through and through him that mental vision seared, down to the very molecules of his brain, his life lay open to Them in a white flame of incandescence.

Can you help me? he cried to the gods. Can you send me back through time?

Man, there is no way to travel far backward in time, it is inherently impossible. You must go on to the very end of the universe, and beyond the end, because that way lies—

He screamed with the pain of unendurably great thought and concept filling his human brain.

Go on, man, go on! But you cannot survive in that machine as it is. I will change it for you . . . go!

The time projector started again by itself. Saunders fell forward into a darkness that roared and flashed.

Grimly, desperately, like a man driven by demons, Saunders hurtled into the future.

There could be no gainsaying the awful word which had been laid on him. The mere thought of the gods had engraven itself on the very tissue of his brain. Why he should go on to the end of time, he could not imagine, nor did he care. But go on he must!

The machine had been altered. It was airtight now, and experiment showed the window to be utterly un-

breakable. Something had been done to the projector so that it hurtled him forward at an incredible rate, millions of years passed while a minute or two ticked away with the droning shell.

But what had the gods been?

He would never know. Beings from beyond the Galaxy, beyond the very universe—the ultimately evolved descendants of man—something at whose nature he could not even guess—there was no way of telling. This much was plain: whether it had become extinct or had changed into something else, the human race was gone. Earth would never feel human tread again.

I wonder what became of the Second Empire? I hope it had a long and good life. Or—could that have been its unimaginable end product?

The years reeled past, millions, billions mounting on each other while Earth spun around her star and the Galaxy aged. Saunders fled onward.

He stopped now and then, unable to resist a glimpse of the world and its tremendous history.

A hundred million years in the future, he looked out on great sheets of flying snow. The gods were gone. Had they too died, or abandoned Earth—perhaps for an altogether different plane of existence? He would never know.

There was a being coming through the storm. The wind flung the snow about him in whirling, hissing clouds. Frost was in his grey fur. He moved with a lithe, unhuman grace, carrying a curved staff at whose tip was a blaze like a tiny sun.

Saunders hailed him through the psychophone, letting his amplified voice shout through the blizzard: "Who are you? What are you doing on Earth?"

The being carried a stone axe in one hand and wore a string of crude beads about his neck. But he stared with bold yellow eyes at the machine and the psychophone brought his harsh scream: "You must be from the far past, one of the earlier cycles."

"They told me to go on, back al-

most a hundred million years ago. They told me to go to the end of time!"

The psychophone hooted with metallic laughter. "If They told you so—then go!"

The being walked on into the storm. Saunders flung himself ahead. There was no place on Earth for him anymore, he had no choice but to go on.

A billion years in the future there was a city standing on a plain where grass grew that was blue and glassy and tinkled with a high crystalline chiming as the wind blew through it. But the city had never been built by humans, and it warned him away with a voice he could not disobey.

Then the sea came, and for a long time thereafter he was trapped within a mountain, he had to drive onward till it had eroded back to the ground.

The sun grew hotter and whiter as the hydrogen-helium cycle increased its intensity. Earth spiraled slowly closer to it, the friction of gas and dust clouds in space taking their infinitesimal toll of its energy over billions of years.

How many intelligent races had risen on Earth and had their day, and died, since the age when man first came out of the jungle? At least, he thought tiredly, we were the first.

A hundred billion years in the future, the sun had used up its last reserves of nuclear reactions. Saunders looked out on a bare mountain scene, grim as the Moon—but the Moon had long ago fallen back toward its parent world and exploded into a meteoric rain. Earth faced its primary now; its day was as long as its year. Saunders saw part of the sun's huge blood-red disc shining wanly.

So good-bye, Sol, he thought. Good-bye, and thank you for many million years of warmth and light. Sleep well, old friend.

Some billions of years beyond, there was nothing but the elemental dark. Entropy had reached a maxi-

mum, the energy sources were used up, the universe was dead!

The universe was dead!

He screamed with the graveyard terror of it and flung the machine onward. Had it not been for the gods' command, he might have let it hang there, might have opened the door to airlessness and absolute zero to die. But he had to go on. He had reached the end of all things, but he had to go on. Beyond the end of time—

Billions upon billions of years fled. Saunders lay in his machine, sunk into an apathetic coma. Once he roused himself to eat, feeling the sardonic humour of the situation—the last living creature, the last free energy in all the cindered cosmos, fixing a sandwich.

Many billions of years in the future, Saunders paused again. He looked out into blackness. But with a sudden shock he discerned a far faint glow, the vaguest imaginable blur of light out in the heavens.

Trembling, he jumped forward another billion years. The light was stronger now, a great sprawling radiance swirling inchoately in the sky.

The universe was reforming.

It made sense, thought Saunders, fighting for self-control. Space had expanded to some kind of limit, now it was collapsing in on itself to start the cycle anew—the cycle that had been repeated none knew how many times in the past. The universe was mortal, but it was a phoenix which would never really die.

But he was disturbingly mortal, and suddenly he was free of his death wish. At the very least he wanted to see what the next time around looked like. But the universe would, according to the best theories of twentieth-century cosmology, collapse to what was virtually a point-source, a featureless blaze of pure energy out of which the primal atoms would be reformed. If he wasn't to be devoured in that raging furnace, he'd better leap a long ways ahead.

A hell of a long ways!

He grinned with sudden reckless determination and plunged the switch forward.

Worry came back. How did he know that a planet would be formed under him? He might come out in open space, or in the heart of a sun... Well, he'd have to risk that. The gods must have foreseen and allowed for it.

He came out briefly—and flashed back into time-dive. The planet was still molten!

Some geological ages later, he looked out at a spuming gray rain, washing with senseless power from a hidden sky, covering naked rocks with a raging swirl of white water. He didn't go out; the atmosphere would be unbreathable until plants had liberated enough oxygen.

On and on! Sometimes he was under seas, sometimes on land. He saw strange jungles like overgrown ferns, and mosses rise and wither in the cold of a glacial age and rise, again in altered life-form.

A thought nagged at him, tugging at the back of his mind as he rode onward. It didn't hit him for several million years, then: The moon! Oh, heavens, the moon!

His hands trembled too violently for him to stop the machine. Finally, with an effort, he controlled himself enough to pull the switch. He skipped on, looking for a night of full moon.

Luna. The same old face—Luna!

The shock was too great to register. Numbly, he resumed his journey. And the world began to look familiar, there were low forested hills and a river shining in the distance...

He didn't really believe it till he saw the village. It was the same—Hudson, New York.

He sat for a moment, letting his physicist's brain consider the tremendous fact. In Newtonian terms, it meant that every particle newly formed in the Beginning had exactly the same position and velocity as every corresponding particle formed in the

previous cycle. In more acceptable Einsteinian language, the continuum was spherical in all four dimensions. In any case—if you travelled long enough, through space or time, you got back to your starting point.

He could go home!

He ran down the sunlit hill, heedless of his foreign garments, ran till the breath sobbed in raw lungs and his heart seemed about to burst from the ribs. Gasping, he entered the village, went into a bank, and looked at the tear-off calendar and the wall clock.

June 17, 1936, 1.30 p.m. From that, he could figure his time of arrival in 1973 to the minute.

He walked slowly back, his legs trembling under him, and started the time machine again. Greyness was outside—for the last time.

1973.

Martin Saunders stepped out of the machine. Its moving in space, at Brontothor, had brought it outside MacPherson's house, it lay halfway up the hill at the top of which the rambling old building stood.

There came a flare of soundless energy. Saunders sprang back in alarm and saw the machine dissolve into molten metal—into gas—into a nothingness that shone briefly and was gone.

The gods must have put some annihilating device into it. They didn't want its devices from the future loose in the twentieth century.

But there was no danger of that,

thought Saunders as he walked slowly up the hill through the rain-wet grass. He had seen too much of war and horror ever to give men knowledge they weren't ready for. He and Eve and MacPherson would have to suppress to story of his return around time—for that would offer a means of travel into the past, remove the barrier which would keep man from too much use of the machine for murder and oppression. The Second Empire and the Dreamer's philosophy lay a long time in the future.

He went on. The hill seemed strangely unreal, after all that he had seen from it, the whole enormous tomorrow of the cosmos. He would never quite fit into the little round of days that lay ahead.

Taury—her bright lovely face floated before him, he thought he heard her voice whisper in the cool wet wind that stroked his hair like her strong, gentle hands.

"Goodbye," he whispered into the reaching immensity of time. "Goodbye, my dearest."

He went slowly up the steps and in the front door. There would be Sam to mourn. And then there would be the carefully censored thesis to write, and a life spent in satisfying work with a girl who was sweet and kind and beautiful even if she wasn't Taury. It was enough for a mortal man.

He walked into the living room and smiled at Eve and MacPherson. "Hello," he said. "I guess I must be a little early."

THE END

NUMBER THREE



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